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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
08/959,125	10/28/1997	УОЅНІНІКО НІСІ:СНІ	20111-0014	4244
7590 02/02/2005			EXAMINER	
	H LIND & PONACK, I	ALEXANDER, LYLE		
SUITE 800 2033 K STREE	T N.W		ART UNIT	PAPER NUMBER
WASHINGTO!	N, DC 20006		1743	

DATE MAILED: 02/02/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
	08/959,125	HIGUCHI ET AL.	
Office Action Summary	Examiner	Art Unit	
	Lyle A Alexander	1743	
The MAILING DATE of this communication			ss
Period for Reply			
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO - Extensions of time may be available under the provisions of 37 CFI after SIX (6) MONTHS from the mailing date of this communication - If the period for reply specified above is less than thirty (30) days, a - If NO period for reply is specified above, the maximum statutory pe - Failure to reply within the set or extended period for reply will, by st Any reply received by the Office later than three months after the mearmed patent term adjustment. Seq. 37 CFR 1.704(b).	N. R 1.136(a). In no event, however, may a . I reply within the statutory minimum of thi riod will apply and will expire SIX (6) MOI atute, cause the application to become A	reply be timely filed rty (30) days will be considered timely. NTHS from the mailing date of this comm BANDONED (35 U.S.C. § 133).	unication.
Status			
1) Responsive to communication(s) filed on to	ne 11/15/04 Appeal Brief.		
2a) ☐ This action is FINAL . 2b) ☑	This action is non-final.		
3) Since this application is in condition for allo	owance except for formal mat	ters, prosecution as to the m	erits is
closed in accordance with the practice und	er <i>Ex parte Quayle</i> , 1935 C.I	D. 11, 45 3 O.G. 213.	
Disposition of Claims			
4)⊠ Claim(s) <u>2-5 and 14-16</u> is/are pending in th	e application.		
4a) Of the above claim(s) is/are with	• •		
5) Claim(s) is/are allowed.			
6)⊠ Claim(s) <u>2-5 and 14-16</u> is/are rejected.	·		
7) Claim(s) is/are objected to.			
8) Claim(s) are subject to restriction ar	nd/or election requirement.		
Application Papers			
9) The specification is objected to by the Exam	niner.	•	
10)☐ The drawing(s) filed on is/are: a)☐	accepted or b) ☐ objected to	by the Examiner.	
Applicant may not request that any objection to	the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).	
Replacement drawing sheet(s) including the co	· ·	• • •	
11)☐ The oath or declaration is objected to by the	e Examiner. Note the attache	ed Office Action or form PTO-	152.
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for force a) All b) Some * c) None of: 1. Certified copies of the priority docum 2. Certified copies of the priority docum 3. Copies of the certified copies of the	nents have been received. nents have been received in a priority documents have been	Application No	age
application from the International Bu	, ,,,		
* See the attached detailed Office action for a	list of the certified copies no	t received.	
Attachment(s)	_		
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) 		Summary (PTO-413) (s)/Mail Date	
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SE	3/08) 5) 🔲 Notice of	Informal Patent Application (PTO-15	52)
Paper No(s)/Mail Date	6) 🔲 Other:	·	

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In response to the 11/15/04 Appeal Brief, the search was up dated and the Office became aware of the following new references that have been applied below.

The Office has vacated the previous 35 USC 103 rejection over Siddiqi because, Siddiqi teaches a one to one relationship of the reagent as part of the bead and the beads in a continuous layer. Siddiqi does not teach beads absent the reagent. It would not have been obvious to modify Siddiqi to a matrix that contains reagent and polymer beads where the polymer beads is 5 to 30 weight percent of the total weight of the reagent layer.

Double Patenting

The nonstatutory double patenting rejection is based on a judicially created doctrine grounded in public policy (a policy reflected in the statute) so as to prevent the unjustified or improper timewise extension of the "right to exclude" granted by a patent and to prevent possible harassment by multiple assignees. See *In re Goodman*, 11 F.3d 1046, 29 USPQ2d 2010 (Fed. Cir. 1993); *In re Longi*, 759 F.2d 887, 225 USPQ 645 (Fed. Cir. 1985); *In re Van Ornum*, 686 F.2d 937, 214 USPQ 761 (CCPA 1982); *In re Vogel*, 422 F.2d 438, 164 USPQ 619 (CCPA 1970);and, *In re Thorington*, 418 F.2d 528, 163 USPQ 644 (CCPA 1969).

A timely filed terminal disclaimer in compliance with 37 CFR 1.321(c) may be used to overcome an actual or provisional rejection based on a nonstatutory double patenting ground provided the conflicting application or patent is shown to be commonly owned with this application. See 37 CFR 1.130(b).

Effective January 1, 1994, a registered attorney or agent of record may sign a terminal disclaimer. A terminal disclaimer signed by the assignee must fully comply with 37 CFR 3.73(b).

Claims 2-5 and 14-16 are provisionally rejected under the judicially created doctrine of obviousness-type double patenting as being unpatentable over claims 1-17 of copending Application No. 10/384,606. Although the conflicting claims are not identical, they are not patentably distinct from each other because both are directed to a device using a reagent, polymer bead and reflective particles on the beads.

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This is a provisional obviousness-type double patenting rejection because the conflicting claims have not in fact been patented.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 2-5 and 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Fukuoka et al. (203/0166295), Fukuoka et al. (2003/0175985), Fukuoka et al. (2003/0180183) or Fukuoka et al. (USP 6,777,243).

The Office notes all of these references qualify as prior art because they go back to a 371 filing date of October 30, 1996 whereas the instant Application has a later filing date of October 31, 1996.

All of the Fukuoka et al. references teach a device for measuring an analyte that comprises polymer beads and titanium dioxide and a reagent. Fukuoka et al. (203/0166295), Fukuoka et al. (2003/0175985), Fukuoka et al. (2003/0180183) and Fukuoka et al. (USP 6,777,243) all teach the polymer beads and titanium dioxide in paragraphs [0254], [0256], [0254] and column 37 lines 40+.

These references are silent to the claimed contains reagent and polymer beads where the polymer beads is 5 to 30 weight percent of the total weight of the reagent layer.

The court decided In re Boesch (205 USPQ 215) the selection of a result effective variable is ordinarily within the skill of the art. A result effective variable is one Art Unit: 1743

that has well known and predictable results. The selection of the relative amounts of polymer beads and reagent is a result effective variable that would have the expected and well known results of changes in the relative reactivity of the analyte/reagent.

Further, it would have been advantageous to use minimal amount of beads, such as 5-30 wt. percent, to reduce the production cost of the device.

It would have been within the skill of the art to modify Fukuoka et al. (203/0166295), Fukuoka et al. (2003/0175985), Fukuoka et al. (2003/0180183) or Fukuoka et al. (USP 6,777,243) and use the polymer beads in a 5 to 30 weight percent of the total weight of the reagent layer to gain the above advantages and as optimization of a result effective variable.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lyle A Alexander whose telephone number is 571-272-1254. The examiner can normally be reached on Monday, Wednesday and Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill Warden can be reached on 571-272-1267. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Lyle A Alexander Primary Examiner Art Unit 1743
